

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\  
 Data File : VL036969.D  
 Acq On : 18 May 2021 15:06  
 Operator : SY/AP  
 Sample : OC051221 CAN 10283  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC051221 CAN 10283

Quant Time: May 19 03:13:41 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 12:00:15 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1275006  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 3594924  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 3276206  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2475503  | 10.06    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.60% |

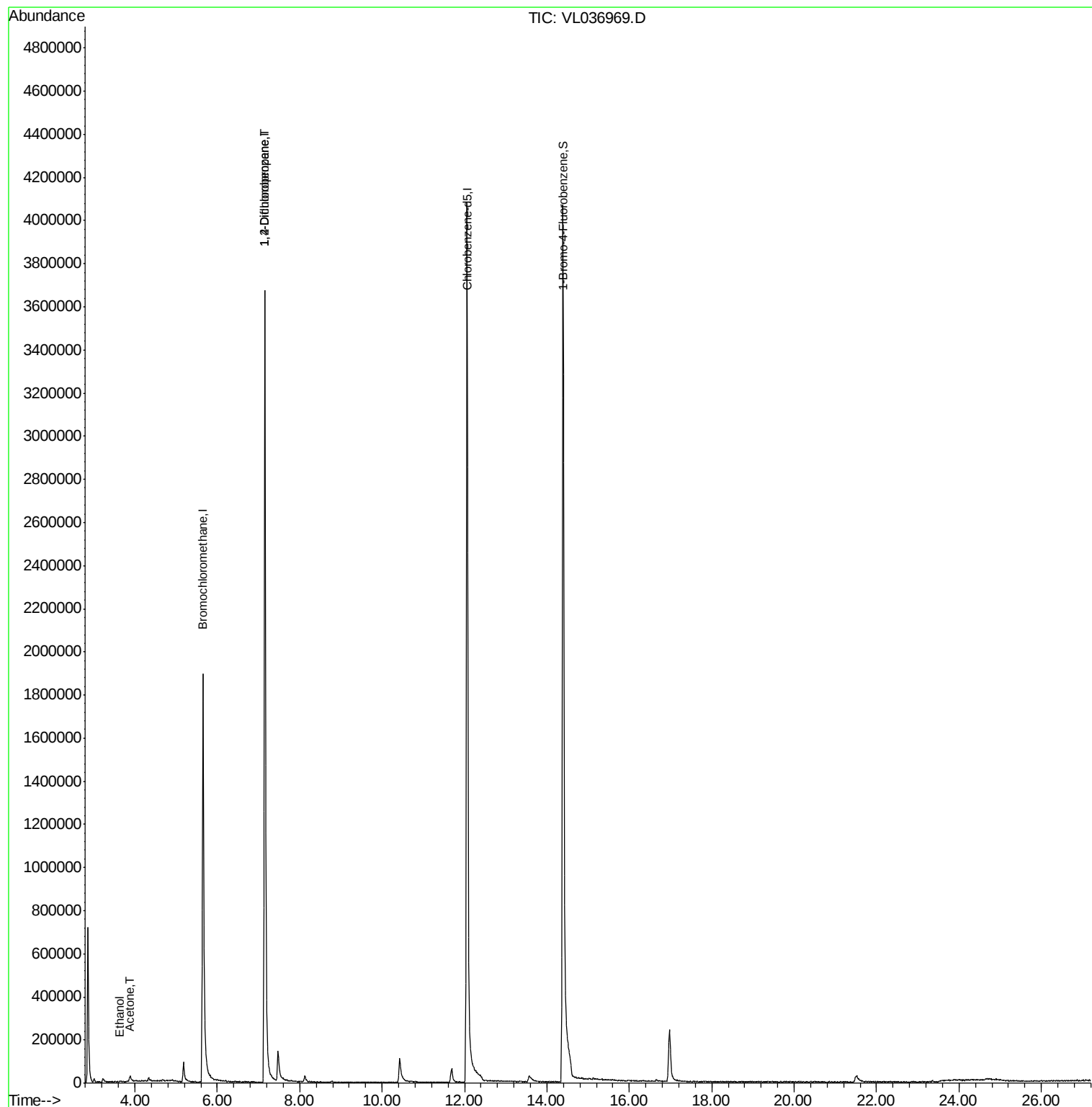
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 13) Ethanol             | 3.62 | 45   | 343      | 0.031 | ppbv   | 87     |
| 15) Acetone             | 3.87 | 43   | 17574    | 0.135 | ppbv # | 45     |
| 39) 1,2-Dichloropropane | 7.16 | 63   | 851019   | 7.134 | ppbv # | 24     |

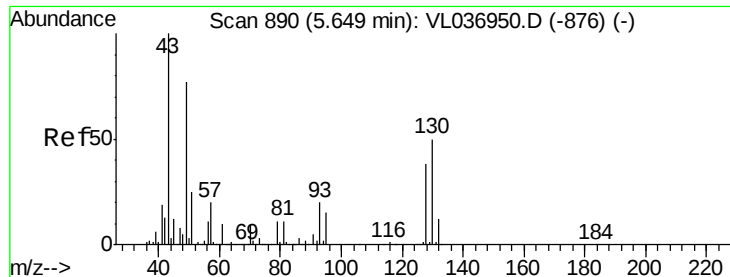
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036969.D

Acq: 18 May 2021 15:06

Instrument :

MSVOA\_L

ClientSampleId :

QC051221 CAN 10283

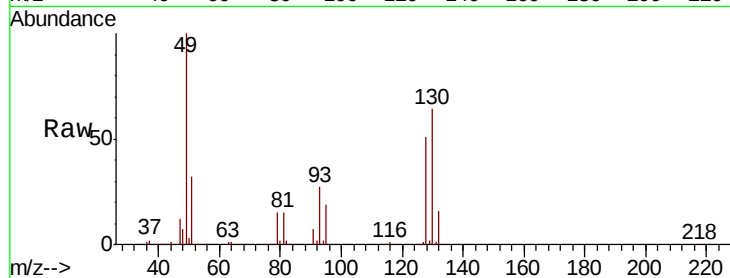
Tot Ion: 49 Resp: 1275006

Ion Ratio Lower Upper

49 100

128 52.5 26.9 80.7

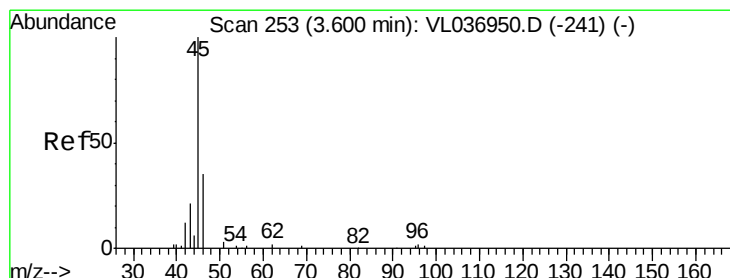
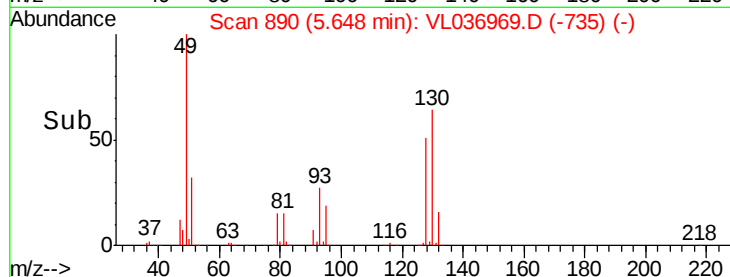
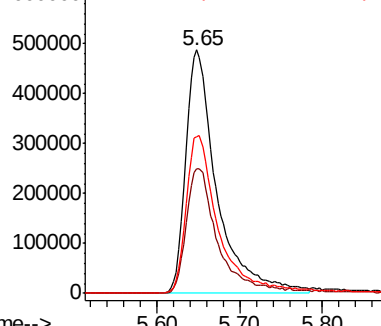
130 69.3 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 0.031 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL036969.D

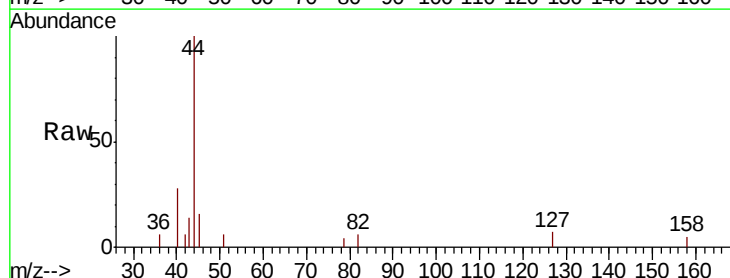
Acq: 18 May 2021 15:06

Tgt Ion: 45 Resp: 343

Ion Ratio Lower Upper

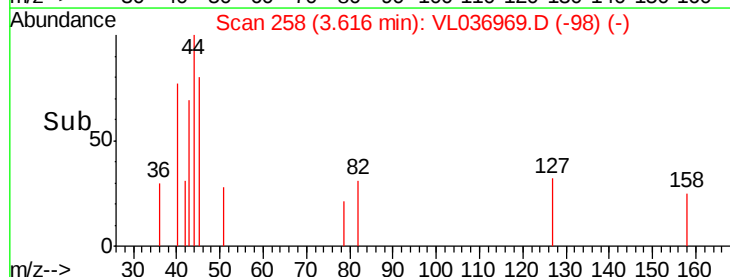
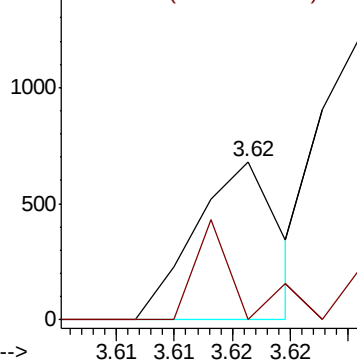
45 100

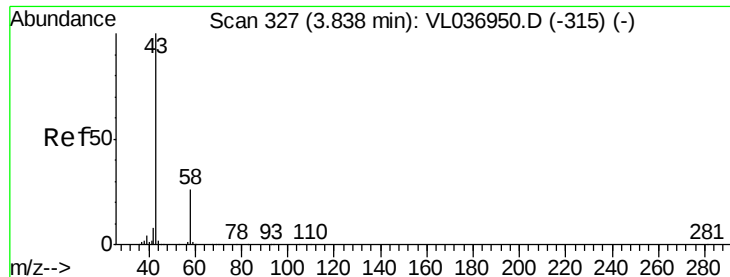
46 32.9 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.135 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL036969.D

Acq: 18 May 2021 15:06

Instrument :

MSVOA\_L

ClientSampleId :

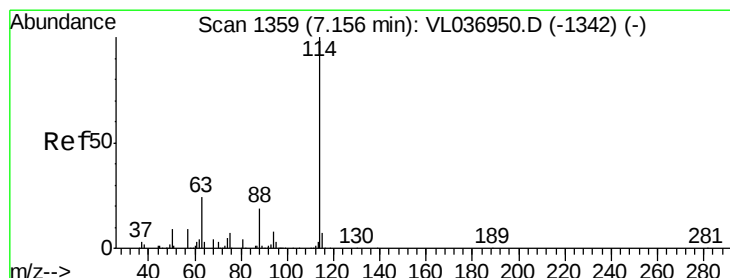
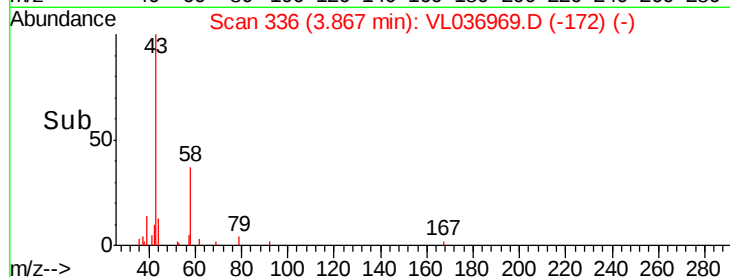
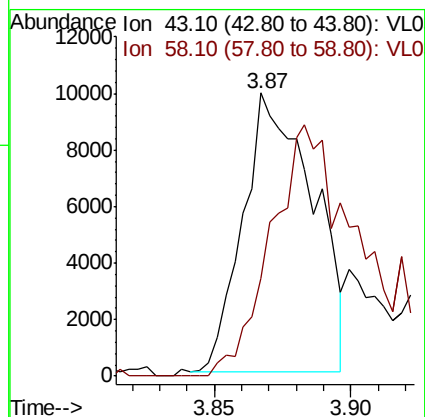
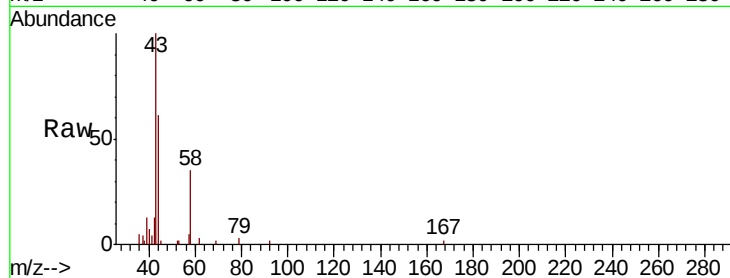
QC051221 CAN 10283

Tot Ion: 43 Resp: 17574

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036969.D

Acq: 18 May 2021 15:06

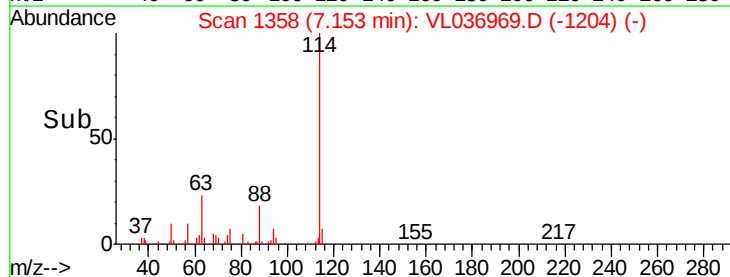
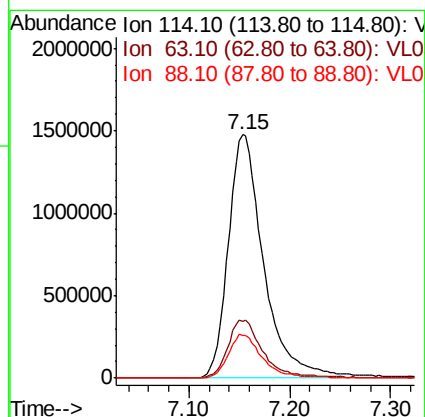
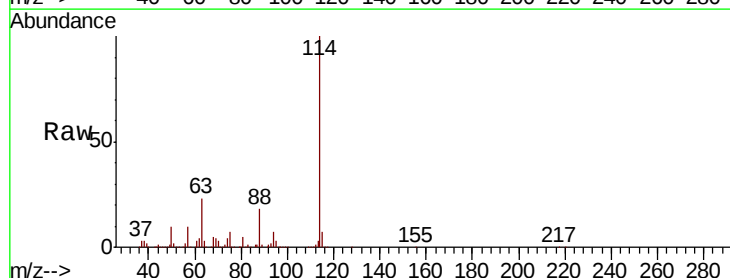
Tgt Ion: 114 Resp: 3594924

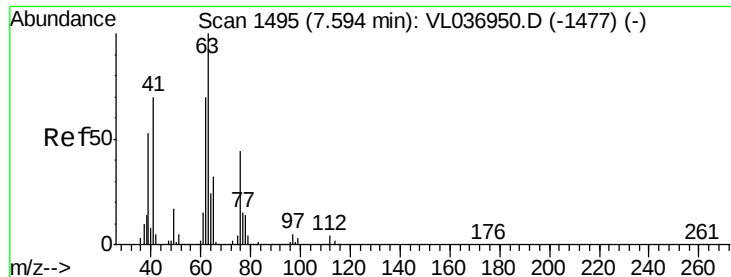
Ion Ratio Lower Upper

114 100

63 24.1 19.6 29.4

88 18.0 14.6 21.8

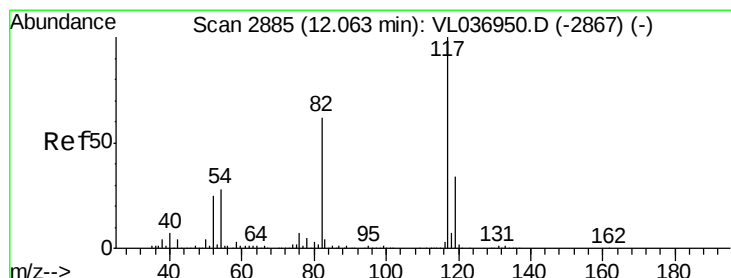
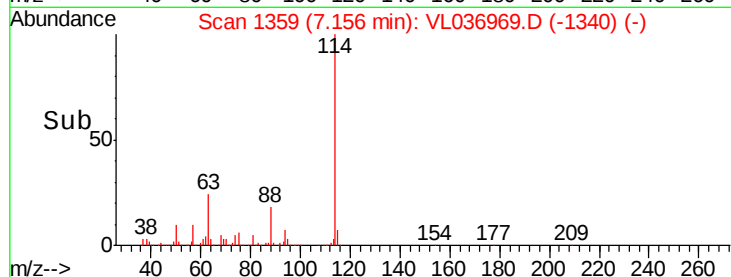
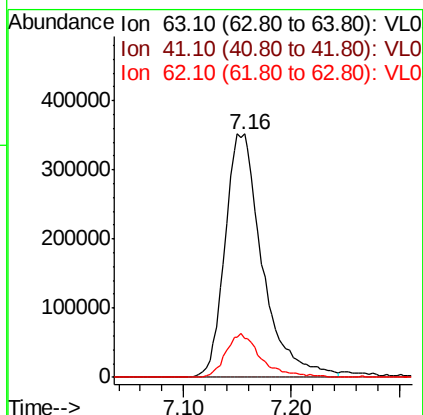
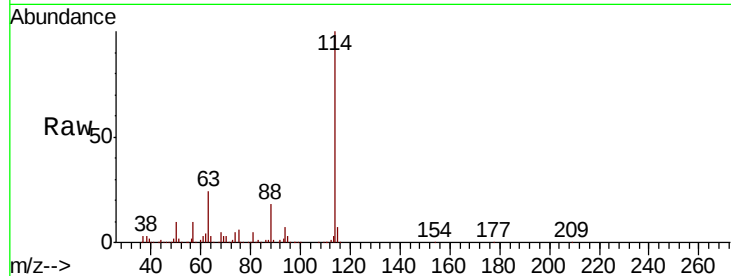




#39  
 1,2-Dichloropropane  
 Concen: 7.134 ppbv  
 RT: 7.16 min Scan# 1359  
 Delta R.T. -0.44 min  
 Lab File: VL036969.D  
 Acq: 18 May 2021 15:06

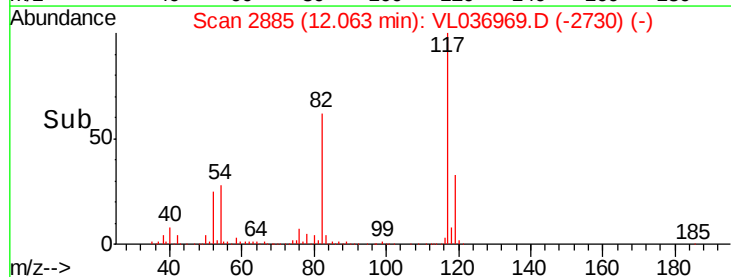
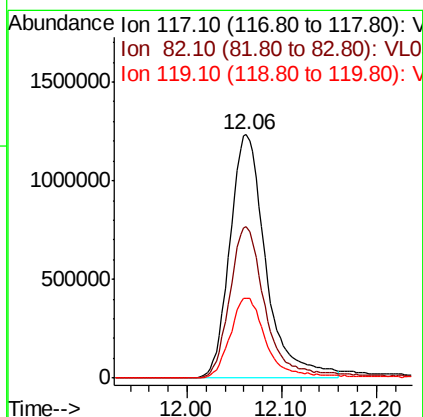
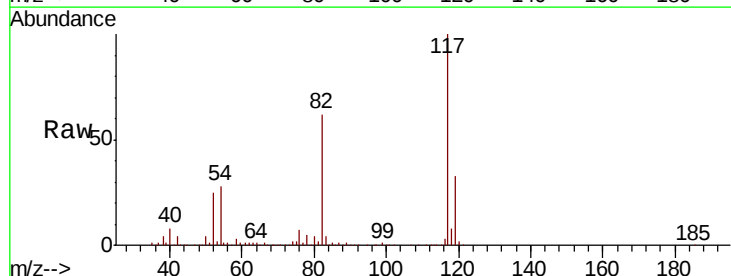
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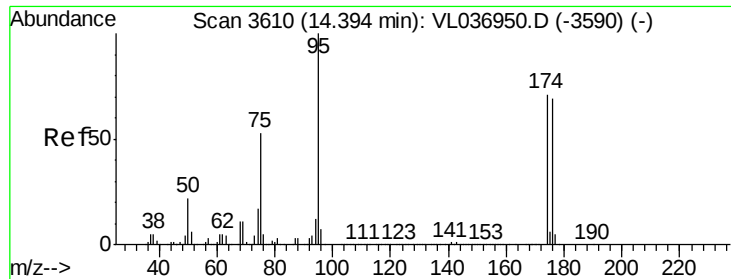
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 41      | 0.0   | 55.7  | 83.5# |
| 62      | 15.9  | 56.2  | 84.4# |



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.06 min Scan# 2885  
 Delta R.T. -0.00 min  
 Lab File: VL036969.D  
 Acq: 18 May 2021 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 64.9  | 52.6  | 79.0  |
| 119     | 34.0  | 46.6  | 70.0# |





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.058 ppbv  
 RT: 14.39 min Scan# 3610  
 Delta R.T. -0.00 min  
 Lab File: VL036969.D  
 Acq: 18 May 2021 15:06

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 QC051221 CAN 10283

Tot Ion: 95 Resp: 2475503  
 Ion Ratio Lower Upper  
 95 100  
 174 76.0 58.4 87.6  
 175 5.5 4.4 6.6

